Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/08/2022 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124279	-1	1.56	124193	1.56
Blue	F	SSC	125000	122670	-2	2.63	123187	2.56
Blue	E	FITC	13602	13146	-4	2.37	367	13.95
Blue	D	PE	24891	24451	-2	1.83	579	10.70
Blue	B	PerCP-Cy5-5	33972	33005	-3	3.09	940	14.76
Blue	A	PE-Cy7	22865	22522	-2	4.90	473	30.19
Red	C	APC	47198	46385	-2	2.83	1604	11.39
Red	A	APC-Cy7	26454	25530	-4	3.22	719	12.31
Violet	B	V450	6737	6381	-6	3.57	444	11.46
Violet	A	V500	29317	28050	-5	3.13	960	8.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24032	2.40	533	-2	N/A	N/A	Pass
Blue	F	SSC	55140	2.18	515	-6	N/A	N/A	Pass
Blue	E	FITC	56	57.02	484	0	0.0419	215	Pass
Blue	D	PE	113	39.41	487	1	0.3905	314	Pass
Blue	B	PerCP-Cy5-5	149	41.34	580	1	0.0206	93	Pass
Blue	A	PE-Cy7	79	80.87	623	2	0.0229	8	Pass
Red	C	APC	336	25.78	572	0	0.0291	212	Pass
Red	A	APC-Cy7	135	34.73	550	-1	0.0065	1382	Pass
Violet	B	V450	76	46.82	450	0	0.0570	2323	Pass
Violet	A	V500	113	33.09	470	1	0.0274	1370	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.78	-31.32	1.01
Blue	20.34	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	15.76	13.90 - 20.86	N/A	N/A	29.60	29.95	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12870

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments